

ABSTRACT OF DISCLOSURE

5 A semiconductor device including: a semiconductor member having thereon a plurality of interconnect pads: and a mounting member having a plurality of electrode terminals electrically and mechanically connected to the respective interconnect pads for mounting the semiconductor chip on the mounting member, the
10 electrode terminals forming a plurality of I/O cells each having part of the electrode terminals, the part of electrode terminals including signal terminals, the I/O cells forming a first group of the I/O cells and a second group of I/O cells disposed on an inner position of the
15 mounting member with respect to the first group. The higher integration of the semiconductor device having the higher performances can be realized because the interconnect lines can be drawn to the outer periphery of the chip from the interconnect pads corresponding to each
20 of the I/O cells when the chip is miniaturized or the number of the ball electrodes is increased.

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